

What is claimed is:

1. A method for associating time related properties with Temporal Sequence Presentation Data elements in a digital rendering system having a Variable Rate Presentation capability, the method comprising steps of:

5 receiving a rate of presentation, and updating a Current Presentation Rate parameter;

organizing the Temporal Sequence Presentation Data elements into buffers; presenting the buffers for presentation rate modification and rendering;

determining a number of unmodified data elements in each buffer and an

10 Unmodified Rendition Period of each data element, and retaining, as a property of each buffer, an Unmodified Cumulative Rendition Period for the buffer;

determining and retaining as a property of the buffer, a Data Time;

presentation rate modifying the data elements in the buffer and storing them in a modified buffer;

15 determining and retaining, as a property of a modified buffer, a number of modified data elements in the modified buffer and a Modified Rendition Period of each data element in the modified buffer;

determining and retaining, as a property of the modified buffer, a Modified Cumulative Rendition Period for the modified buffer;

20 determining and retaining, as a property of the modified buffer, a Modified Presentation Time of the modified buffer; and

determining and retaining, as a property of the modified buffer, a Cumulative Modified Data Element Count associated with a first data element in the modified buffer.